

Claims

1. A wheel system comprising:

a plurality of wheels; and

said plurality of wheels connected to a base, wherein the base has a plurality of curvature portions that provides for the easy maneuverability of the plurality of wheels.

2. The wheel system of Claim 1, wherein the plurality of curvature portions comprises a tensile strength in a range of about 300-6000 TS.

3. The wheel system of Claim 2, wherein the tensile strength of the plurality of curvature portions is in the range of about 300-1200 TS.

4. The wheel system of Claim 2, wherein the tensile strength of the plurality of curvature portions is in the range of about 1000-3000 TS.

5. The wheel system of Claim 1, wherein the plurality of wheels comprises two wheels.

6. The wheel system of Claim 1, wherein the plurality of wheels comprises three wheels.

7. The wheel system of Claim 1, wherein the plurality of wheels comprises four wheels.

8. The wheel system of Claim 1, wherein the plurality of curvature portions comprise an arc from an eleven-inch diameter circle.

9. The wheel system of Claim 9, wherein the arc of the plurality of curvature portions comprises an angle in a range of about zero to seventy-five degrees.

10. The wheel system of Claim 9, wherein the angle comprises forty-five degrees.

11. A wheel system comprising:

a plurality of wheels;

said plurality of wheels connected to a base, wherein the base has a plurality of curvature portions coupled to the plurality of wheels, wherein the plurality of curvature portions provides for the easy maneuverability of the plurality of wheels; and

the base having a center of gravity, wherein the center of gravity enables the plurality of wheels to be moved with less energy.

12. The wheel system of Claim 11, wherein a distance of the center of gravity to the plurality of the wheels is in the range of about 4.25-6 inches.

13. The wheel system of Claim 12, wherein the distance of the center of gravity to the plurality of the wheels comprises 6 inches.

14. A system for utilizing a wheel system comprising:

a plurality of wheels;

said plurality of wheels connected to a base, wherein the base has a plurality of curvature portions that provides the maneuverability of the plurality of wheels; and

a mobile vehicle connected to the base.

15. The system of Claim 14, wherein the mobile vehicle is a cart.

16. The system of Claim 14, wherein the mobile vehicle is a stroller.

5 17. The system of Claim 14, wherein the mobile vehicle is a scooter.

18. A method for utilizing a wheel system, comprising:

10 initiating movement of a mobile vehicle, having a wheel system across, a surface;

transferring weight from one side of the mobile vehicle to another side of the mobile vehicle;

pulling the mobile vehicle over the surface; and

15 sliding the wheel system and the mobile vehicle over the surface by utilizing a plurality of curvature portions on the wheel system.

19. The method of Claim 18, forming the plurality of curvature portions from an arc of a circle, wherein the arc comprises an angle in the range of about zero to seventy-five degrees.

20 20. The method of Claim 19, wherein the arc of the plurality of curvature portions comprises the angle of forty-five degrees.

25 21. The method of Claim 16, wherein sliding the wheel system and the mobile vehicle across the surface comprises gliding the wheel system and mobile vehicle.

22. A method for utilizing a wheel system, comprising:

initiating movement of a mobile vehicle having a wheel system across a surface;

transferring weight from one side of the mobile vehicle to another side of the mobile vehicle;

pulling the mobile vehicle over the surface; and

sliding the wheel system and the mobile vehicle over the surface by utilizing a plurality of curvature portions, wherein the wheel system includes a center of gravity that enables the mobile vehicle to be simply moved with less energy.

23. A method of manufacturing a multi-functional wheel system, comprising:

forming a mold for the multi-functional wheel system;

pouring a material into the mold; and

assembling the multi-functional wheel system.

24. The method of Claim 23, wherein forming the mold comprises forming a base and a cover for the multi-functional wheel system.